

# Data Sheet

# Fujitsu PRIMERGY TX150 S8 Mono-Socket Intel® Xeon® processor server

The one-processor tower server - maximized!

PRIMERGY TX tower servers are ideal for use in SMEs or branch offices. They increase operational efficiency by providing rock solid, record-breaking, energy efficient performance. That performance is built on 20-years of pioneering work in Green IT. As a customer, you benefit from a reduction in your organization's environmental impact and lower running costs. The reliability is proven by testing the machines through 5000 boot cycles – far more than other vendors do. PRIMERGY TX servers are also easy to manage via the PRIMERGY ServerView Suite, reducing IT admin workload and costs. Plus, tower to rack conversion kits are available for most TX systems, ensuring investment protection.

## PRIMERGY TX150 S8

The PRIMERGY TX150 S8 stands for reliable and expandable server performance for SMEs, branch offices and virtualized environments. New to the PRIMERGY TX150 platform: The Intel® Xeon® E5 processor family provides a maximum of expandability in an one-socket server. Future demand is perfectly covered by 5 PCIe Gen2/3 expansion slots, up to 96 GB of memory and up to 16 hard disk drives. At the same time the optional redundant power supply units and fans ensure stable and reliable computing. And of course: Fujitsu's innovative Cool-safe™ concept together with processors of the Intel® Xeon® E5-1400 and E5-2400 family guarantee best energy efficient performance.



# Features & Benefits

Main Features	Benefits
<b>Performance meets energy efficiency</b> <ul style="list-style-type: none"><li>■ By combining the latest Intel® mono/dual-processor platform and SAS 2.0 hard disks with Fujitsu's engineering, you get best performance with low energy consumption</li></ul>	<ul style="list-style-type: none"><li>■ High performance and energy efficiency</li></ul>
<b>High availability</b> <ul style="list-style-type: none"><li>■ Hot plug hard disks: choose between max. 8x 3.5-inch or max. 16x 2.5-inch. Power supply units: choose between standard or redundant</li></ul>	<ul style="list-style-type: none"><li>■ High availability options to suit your business</li></ul>
<b>Expandability</b> <ul style="list-style-type: none"><li>■ Up to 96 GB of memory and 6 expansion slots</li></ul>	<ul style="list-style-type: none"><li>■ High expandability - the TX150 S8 grows with your business</li></ul>
<b>Investment protection</b> <ul style="list-style-type: none"><li>■ The PRIMERGY TX150 S8 can be integrated into a rack infrastructure with the tower to rack conversion kit</li></ul>	<ul style="list-style-type: none"><li>■ High versatility - increases your investment's lifetime</li></ul>
<b>Service made easy</b> <ul style="list-style-type: none"><li>■ The green touch points, the system ID card and the customer self-service module make servicing the TX150 S8 easier</li></ul>	<ul style="list-style-type: none"><li>■ High serviceability - saves your time</li></ul>

# Technical details

## PRIMERGY TX150 S8

<b>Housing types</b>	Tower	Tower	Tower	Tower				
<b>Storage drive architecture</b>	3.5-inch	3.5-inch	2.5-inch	2.5-inch				
<b>Power supply</b>	Standard	Hot-plug	Standard	Hot-plug				
<b>Mainboard</b>								
<b>Mainboard type</b>	D 3079							
<b>Chipset</b>	Intel® C602							
<b>Processor quantity and type</b>	1 x Intel® Pentium® processor / Intel® Xeon® processor E5-1400 product family / Intel® Xeon® processor E5-2400 product family							
<b>Processor</b>								
Intel® Pentium® processor 1403 (2C/2T, 2.60 GHz, TLC: 5 MB, Turbo: No, 6.4 GT/s, Mem bus: 1066 MHz, 80 W)								
Intel® Xeon® processor E5-1410 (4C/8T, 2.80 GHz, TLC: 10 MB, Turbo: Yes, 6.4 GT/s, Mem bus: 1333 MHz, 80 W)								
Intel® Xeon® processor E5-2403 (4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1066 MHz, 80 W)								
Intel® Xeon® processor E5-2407 (4C/4T, 2.20 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1066 MHz, 80 W)								
Intel® Xeon® processor E5-2420 (6C/12T, 1.90 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1333 MHz, 95 W)								
Intel® Xeon® processor E5-2430 (6C/12T, 2.20 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1333 MHz, 95 W)								
Intel® Xeon® processor E5-2430L (6C/12T, 2.00 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1333 MHz, 60 W)								
Intel® Xeon® processor E5-2440 (6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1333 MHz, 95 W)								
Intel® Xeon® processor E5-2450 (8C/16T, 2.10 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1600 MHz, 95 W)								
<b>Memory slots</b>	6 (6 DIMMs, 3 channels with 2 slots per channel)							
<b>Memory slot type</b>	DIMM (DDR3)							
<b>Memory capacity (min. - max.)</b>	2 GB - 96 GB							
<b>Memory protection</b>	Advanced ECC Memory Scrubbing SDDC (Chipkill™) Hot-spare memory support Memory Mirroring support							
<b>Memory notes</b>	max. 96 GB registered; min. 2 GB unbuffered; Memory Mirroring with identical modules in both channel pairs of a bank (2 modules per bank). Rank sparing with identical modules within the same channel. Performance Mode with identical modules in all channels of each bank per CPU.							
<b>Memory options</b>	4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM 8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM 16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM							
<b>Memory options</b>	2 GB (1 module(s) 2 GB) DDR3 LV, unbuffered, ECC, 1600 MHz, PC3-12800, DIMM 4 GB (1 module(s) 4 GB) DDR3 LV, unbuffered, ECC, 1600 MHz, PC3-12800, DIMM							
<b>Interfaces</b>								
<b>USB ports</b>	9 x USB 2.0 (2x front, 4x rear, 3x internal for backup, UFM and internal USB)							
<b>Graphics (15-pin)</b>	1 x VGA							
<b>Serial 1 (9-pin)</b>	1 x serial RS-232-C, usable for iRMC or system or shared							
<b>LAN / Ethernet (RJ-45)</b>	2 x Gbit/s Ethernet							
<b>Service LAN (RJ45)</b>	1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Service LAN traffic can be switched to shared onboard Gbit LAN port							

**Onboard or integrated Controller**

<b>RAID controller</b>	additional RAID controller options are described under Components RAID controller
<b>SATA Controller</b>	Intel® C602, 2 ports used for accessible drives 4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux;
<b>SATA controller type notes</b>	On board SATA controller supports RAID levels 0, 1, 10
<b>Remote Management Controller</b>	Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller) IPMI 2.0 compatible
<b>Trusted Platform Module (TPM)</b>	Infineon / separate module; TCG V1.2 compliant (option)

**Slots**

<b>PCI-Express 3.0 x4 (mech. x8)</b>	2 x Full height 280 mm length
<b>PCI-Express 3.0 x16</b>	1 x Full height 280 mm length
<b>PCI-Express 2.0 x1 (mech. x16)</b>	1 x Full height 170 mm length
<b>PCI-Express 2.0 x4 (mech. x8)</b>	1 x Full height 230 mm length; preferred RAID slot
<b>PCI-slots</b>	1 x PCI 32/33 MHz, 1x long, 5V
<b>Slot Notes</b>	in SAS configuration 1x PCI-Express occupied by modular RAID controller.

**Drive bays**

<b>Storage drive bays</b>	3.5-inch or 2.5-inch hot-plug SAS/SATA
<b>Accessible drive bays</b>	3 x 5.25/1.6-inch
<b>Notes accessible drives</b>	all possible options described in relevant system configurator

**Drive bays (Base unit specific)**

<b>Storage drive bays</b>	Max 8 (4 + 4) x 3.5-inch	Max 16 (8 + 8) x 2.5-inch	Max 16 (8+ 8) x 2.5-inch
<b>Accessible drive bays</b>	3 x 5.25/1.6-inch for 4 x 3.5-inch HDD/ SSD, or 2 x 3.5-inch HDD/SSD + 1 x backup drive + local service display 1 x 5.25/0.5-inch for slimline ODD	3 x 5.25/1.6-inch for 8 x 2.5-inch HDD/SSD + backup drive/ODD, or 8 x 2.5-inch HDD/SSD + slim ODD + local service display	3 x 5.25/1.6-inch for 8 x 2.5-inch HDD/SSD + backup drive/ODD, or 8 x 2.5-inch HDD/SSD + slim ODD + local service display

**General system information**

<b>Fan notes</b>	Redundant fan configuration is only available in combination with redundant PSU		
<b>Number of fans</b>	3	4	3
<b>Fan configuration</b>	3+1 redundant		
<b>Fan notes</b>	non redundant / non hot-plug	redundant / non hot-plug	non redundant / non hot-plug

**Operating panel**

<b>Operating buttons</b>	On/off switch NMI button Reset button
<b>Status LEDs</b>	System status (orange / yellow) Identification (blue) Hard disks access (green) Power (amber / green) CPU status Fan status Hard disk error Temperature CSS (yellow) Memory status PSU status (green/ amber) At system rear side: System status (orange / yellow) Identification (blue) LAN connection (green) LAN speed (green / yellow)
<b>Service display</b>	Optional: ServerView Local Service Display (LSD)

## BIOS

### BIOS features

ROM based setup utility  
Recovery BIOS  
BIOS settings save and restore  
Local BIOS update from USB device  
Online update tools for main Windows and Linux versions  
Local and remote update via ServerView Update Manager  
SMBIOS V2.4  
Remote PXE boot support  
Remote iSCSI boot support

## Operating Systems and Virtualization Software

### Certified or supported operating systems and virtualization software

Microsoft® Hyper-V Server 2012  
Microsoft® Windows Server® 2012 Datacenter  
Microsoft® Windows Server® 2012 Standard  
Microsoft® Windows Server® 2012 Essentials  
Microsoft® Windows Server® 2012 Foundation  
Microsoft® Windows Storage Server 2012 Standard  
Microsoft® Hyper-V™ Server 2008 R2  
Microsoft® Windows Server® 2008 R2 Datacenter  
Microsoft® Windows Server® 2008 R2 Enterprise  
Microsoft® Windows Server® 2008 R2 Standard  
Microsoft® Windows® Web Server 2008 R2  
Microsoft® Windows® Small Business Server Essentials 2011  
Microsoft® Windows® Small Business Server 2011 Premium Add-On  
Microsoft® Windows® Small Business Server Standard 2011  
Microsoft® Windows® Server 2008 Datacenter  
Microsoft® Windows® Server 2008 Enterprise  
Microsoft® Windows® Server 2008 Standard  
VMware vSphere™ 5.0 Embedded  
VMware vSphere™ 5.0  
VMware vSphere™ 4.1  
VMware vSphere™ 4.1 Embedded  
VMware vSphere™ 4.1 Installable  
Novell® SUSE Linux Enterprise Server 11  
Novell® SUSE Linux Enterprise Server 10  
Novell® SUSE Linux Enterprise Server 10 with XEN  
Red Hat® Enterprise Linux 6  
Red Hat® Enterprise Linux 5  
Red Hat® Enterprise Linux 5 with XEN

### Operating system release link

<http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473>

### Operating system notes

Support of other Linux derivatives on demand

**Server Management**

<b>Standard</b>	<p>ServerView Suite - Deploy</p> <ul style="list-style-type: none"> <li>SV Installation Manager</li> <li>SV Scripting Toolkit</li> <li>SV Deployment Manager (30-day trial version)</li> </ul> <p>ServerView Suite - Control</p> <ul style="list-style-type: none"> <li>SV Operations Manager incl. PDA and ASR &amp; R (Prefailure and Analysis; Automatic Server Recovery and Restart)</li> <li>SV Performance Management</li> <li>SV Power Management</li> <li>SV RAID Manager</li> </ul> <p>ServerView Suite - Maintain</p> <ul style="list-style-type: none"> <li>SV Remote Management (iRMC)</li> <li>SV Update Management (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>SV Asset Management</li> <li>SV Online Diagnostics</li> </ul> <p>ServerView Suite - Integrate</p> <ul style="list-style-type: none"> <li>SV Integration packs e.g. for Microsoft System Center, Nagios, HP SIM, HP NNM, IBM Tivoli, Altiris Deployment Solutions and others</li> </ul>
<b>Option</b>	<p>ServerView Suite - Deploy</p> <ul style="list-style-type: none"> <li>SV Deployment Manager (full version)</li> </ul> <p>ServerView Suite - Maintain</p> <ul style="list-style-type: none"> <li>iRMC Advanced Pack incl. Advanced Video Redirection (AVR) and Remote Storage</li> </ul> <p>ServerView Suite - Dynamize</p> <ul style="list-style-type: none"> <li>SV Virtual-IO Manager (VIOM)</li> <li>SV Resource Orchestrator Virtual Edition (ROR VE)</li> <li>SV Resource Orchestrator Cloud Edition (ROR CE)</li> </ul> <p>ServerView Suite - Integrate</p> <ul style="list-style-type: none"> <li>SV Integration pack for Fujitsu ManageNow® solution</li> </ul>
<b>Server Management notes</b>	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.

**Dimensions / Weight**

<b>Floor-stand (W x D x H)</b>	177 x 651 x 456 mm
<b>Rack (W x D x H)</b>	483 x 611 x 177 mm
<b>Dimension notes</b>	Floorstand Width 177 mm without tilt protection (420 mm with tilt protection); depth measured includes handles on redundant PSU. Rack depth includes handles of redundant PSU, excludes rack handles / front.
<b>Height Unit Rack</b>	4 U
<b>Weight</b>	16 - 29 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Rack integration kit</b>	Rack integration kit as option

**Dimensions / Weight / Environmental  
(Base unit specific)****Environmental**

<b>Operating ambient temperature</b>	10 - 35 °C
<b>Operating relative humidity</b>	10 - 85 % (non condensing)
<b>Operating environment</b>	FTS 04230 – Guideline for Data Center (installation locations)
<b>Operating environment Link</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a>
<b>Noise emission</b>	Measured according to ISO 7779 and declared according to ISO 9296
<b>Sound pressure (LpAm)</b>	22 dB(A) idle mode/ 22 dB(A) operation mode with low noise mode; 30 dB(A) idle mode/ 30 dB(A) operation mode with SAS HDDs; 36 dB(A) idle mode/ 36 dB(A) operation mode with HDD extension boxes;
<b>Sound power (LWAd; 1B = 10dB)</b>	4,0 B idle / 4,0 B operation mode with low noise mode; 4,8 idle mode/ 4,8 operation mode with SAS HDDs; 5,4 B idle mode/ 5,4 B operation mode with HDD extension boxes;
<b>Noise notes</b>	Noise emissions and operation modes depend on system configuration. Availability of the low noise mode depends on system configuration. To order an eligible system use the checkbox Enabling low noise mode in System Architect.

**Electrical values**

<b>Power supply configuration</b>	Base unit specific: 1x standard power supply or 1x hot-plug power supply or 2x hot plug power supplies for redundancy
<b>Standard power supply output</b>	500 W (90 % efficiency, 80 PLUS gold)
<b>Hot-plug power supply output</b>	450 W (94 % efficiency, 80 PLUS platinum)
<b>Hot-plug power supply redundancy</b>	Yes
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	50 Hz - 60 Hz
<b>Rated current max.</b>	2.4
<b>Rated current in basic configuration</b>	pending
<b>Active power (min. configuration)</b>	65 W
<b>Active power (max. configuration)</b>	278 W
<b>Active power note</b>	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: <a href="http://configurator.ts.fujitsu.com/public/">http://configurator.ts.fujitsu.com/public/</a>
<b>Apparent power (max. configuration)</b>	296 VA
<b>Heat emission</b>	1000.8 kJ/h (948.6 BTU/h)
<b>Leakage Current</b>	leakage current

**Compliance**

<b>Germany</b>	GS
<b>Europe</b>	CE Class A * CE label according to EU directives: Low-Voltage Directive 2006/95/EC, Electromagnetic Compatibility 2004/108/EC EN 300386 EN 50371 EN 55022 EN 55024 EN 60950 - 1 EN 61000-3-2 JEIDA EN 61000-3-3
<b>USA/Canada</b>	CSAc/us ULc/us FCC Class A
<b>Global</b>	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
<b>Japan</b>	VCCI Class A + JIS 61000-3-2
<b>Russia</b>	GOST-R
<b>China</b>	CCC (planned)
<b>Australia/New Zealand</b>	C-Tick (AS / NZS CISPR 22 Class A)
<b>Taiwan</b>	BSMI Class A (CNS 13438, CNS 14336) CNS 13436
<b>Compliance notes</b>	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. Additional compliance with: Kenya:KEBS; Kuwait: KUCAS; Nigeria:SONCap; South Africa:SABS; Belarus: STB; Kazakhstan: GOST-K; Ukraine: SEMPRO * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
<b>Compliance link</b>	<a href="http://sp.ts.fujitsu.com/sites/certificates/">http://sp.ts.fujitsu.com/sites/certificates/</a>

# Components

## Storage disks

SSD SATA, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SATA, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 400 GB, SLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 100 GB, SLC, hot-plug, 2.5-inch, enterprise  
 SSD SAS, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise  
 HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 3.5-inch, economic  
 HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SATA, 6 Gb/s, 250 GB, 7200 rpm, hot-plug, 3.5-inch, economic  
 HDD SATA, 6 Gb/s, 250 GB, 7200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SATA, 6 Gb/s, 3 TB, 7200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 2 TB, 7200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 3.5-inch, business critical  
 HDD SATA, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SAS, 6 Gb/s, 900 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 600 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 600 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 2.5-inch, business critical  
 HDD SAS, 6 Gb/s, 450 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 450 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 300 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 300 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 300 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 146 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise  
 HDD SAS, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 2.5-inch, business critical

## Backup Drives

DDS Gen5, 36 GB, 3 MB/s, half height, USB 2.0  
 DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0  
 LTO3HH Ultrium, 400 GB, 60 MB/s, half height, SAS 3Gb/s  
 LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s  
 LTO5HH Ultrium, 1500 GB, 140 MB/s, half height, SAS 6Gb/s  
 RDX Drive, 160 GB, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 2.0  
 RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0

## Optical drives

Blu-ray Disc™ Triple Writer, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I  
 Blu-ray Disc™ Triple Writer, (6x BD-ROM ; 8x DVD; 24x CD), slimline, SATA I  
 DVD-ROM, (16xDVD; 48xCD), half height, SATA I  
 DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I  
 DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I

## SCSI / SAS Controller

SAS Ctrl. 6 Gbit/s 8 ports ext. PCIe Gen2 x8

## RAID Controller

RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int.  
 RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, Optional BBU (based on LSI SAS2108)  
 RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116), 8 ports int.  
 RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)  
 RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int.  
 RAID level: 0, 1, 10, No BBU support

<b>Communication, Network</b>	Ethernet Ctrl. 1 x 1 Gbit/s PCIe x1 ( Intel® ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe x8 ( Fujitsu ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe x8 ( Intel® ) Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 ( Fujitsu ) Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 ( Fujitsu )
<b>Graphics add on cards</b>	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA
<b>Warranty</b>	
<b>Standard Warranty</b>	1 year
<b>Service level</b>	Onsite Service (depending on country)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM">http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM</a>
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Support Pack Options</b>	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services">http://www.fujitsu.com/fts/services</a>

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY TX150 S8, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

## Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

## Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

## Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu PRIMERGY TX150 S8, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

[www.fujitsu.com/fts](http://www.fujitsu.com/fts)

## Fujitsu green policy innovation

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Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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